

## CLAIMS

1. A system for providing telecommunications service to telecommunications users in a service area, the system comprising:
- 5 a fiber optic cross-connect panel configured for communication to a central office over an optical link;
- an optical/electrical converter coupled to the fiber optic cross-connect panel;
- a m/n multiplexer coupled to the optical/electrical converter;
- one or more DSX cross-connects coupled to the m/n multiplexer; and
- 10 a plurality of DSX radios coupled to the one or more DSX cross-connects and configured for radio communication to a local telecommunication service distribution system.
2. The system of claim 1 wherein the optical/electrical converter is
- 15 configured to convert an optical OC-1 signal to an electrical signal.
3. The system of claim 2 wherein the m/n multiplexer is configured to multiplex the electrical signal between the optical/electrical converter and the one or more DSX cross-connects.
- 20 4. A system for providing telecommunications service to telecommunications users in a service area, the system comprising:
- a radio interface unit;
- a digital interface unit coupled to the radio interface unit;
- 25 a digital signal cross-connect coupled to the digital interface unit;
- a digital loop carrier;
- a subscriber area interface configured for coupling to telephone system lines to the telecommunications users; and

a narrow band protection unit coupled between the digital loop carrier and the subscriber area interface and configured to provide electrical protection to the telephone system lines.

5           5.       The system of claim 4 further comprising a wide band protection unit coupled between the digital signal cross-connect and the digital loop carrier.

6.       The system of claim 4 wherein the radio interface unit is removable from the system.

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7.       The system of claim 4 wherein the radio interface unit and the digital interface unit are integrated in a single component.

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8.       The system of claim 7 wherein the single component is removable from the system.

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